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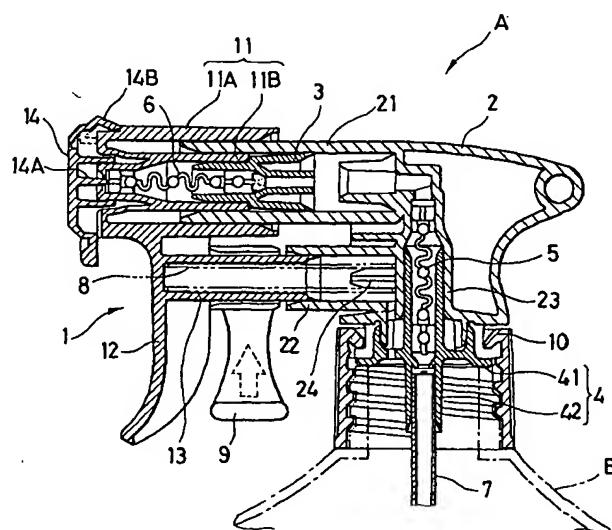
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### (54) Pump dispenser and spraying apparatus provided with the same

(57) The objective of this invention is to provide a pump dispenser (A) transmitting precisely the trigger motion and enabling stable operation of the piston section (3). As a means to achieve this objective, a manual operative pump dispenser (A) mounted on a vessel (B) wherein the liquid contained in the cylinder section (21) is compressed with the piston section (3) by the displacement of a trigger structure (1) and is ejected

through the nozzle orifice (11C), including a base body (2) fixed on the vessel orifice via a packing structure (4), a cylinder section (21) and a vent cylinder section (22) formed in adjacent to each other on the base body (2), and a trigger structure (1) including a trigger section (12), a second valve casing section (11) mounted on the base body (2), and a trigger guide section (13) oscillating in the vent cylinder section (22) is provided.

FIG.1(B)





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## EUROPEAN SEARCH REPORT

Application Number  
EP 02 00 0986

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
Y	US 4 944 431 A (BLAKE ET AL) 31 July 1990 (1990-07-31) * the whole document *	1-5,8,9, 11,12,14	B05B11/00						
Y	PATENT ABSTRACTS OF JAPAN vol. 010, no. 002 (M-444), 8 January 1986 (1986-01-08) & JP 60 166769 A (KIYANIYON KK), 30 August 1985 (1985-08-30) * abstract *	1-5,8,9, 11,12,14							
Y	US 4 958 754 A (DENNIS ET AL) 25 September 1990 (1990-09-25)	2,3,11							
A	* abstract; figures 1-6 *	1							
Y	US 4 558 821 A (TADA ET AL) 17 December 1985 (1985-12-17) * column 3, lines 1-24; figures 6,10,11,14,19 *	5,9							
A	US 4 955 511 A (BLAKE ET AL) 11 September 1990 (1990-09-11) * column 1, lines 9-35 * * column 3, line 29 - column 4, line 44; figures 1-7 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7)  B05B						
<p>The present search report has been drawn up for all claims</p> <p>4</p>									
<table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>Munich</td> <td>21 March 2005</td> <td>Fuchs, A</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	Munich	21 March 2005	Fuchs, A
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document							
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 00 0986

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